

Oxon Run Designs & Environmental Assessment



Solicitation – Doc545382

Preliminary Designs & Environmental Assessment

- National Environmental Policy Act Compliance (NEPA)/Environmental Assessment (EA)
- Preliminary Designs (30% Designs) focused on the stream (sewer lines & floodplain)
- Master Park Plan (recreational, community, & green spaces as well as connectivity)
- Comprehensive community engagement
- Sewer line Technical Memo

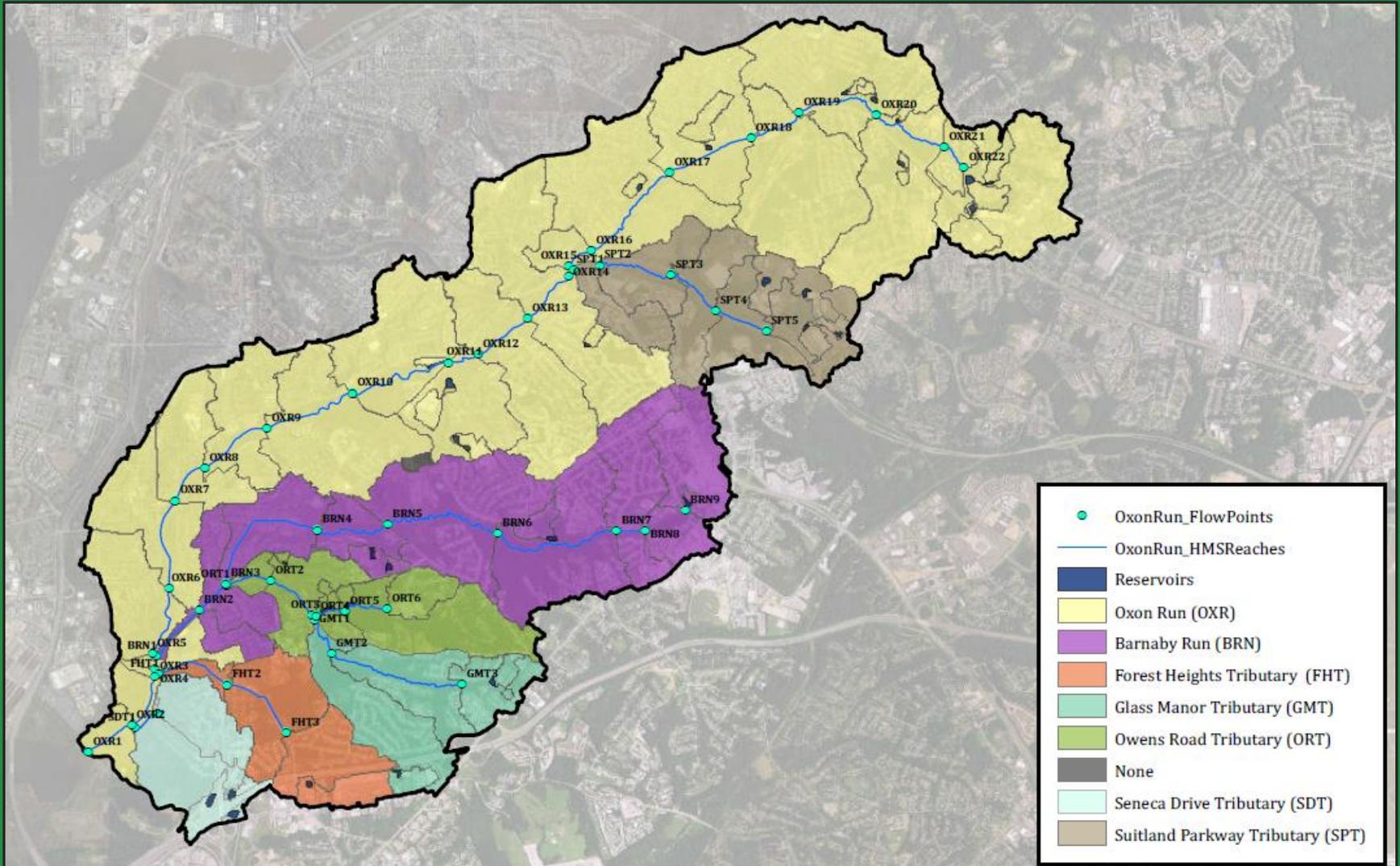
Contract Structure

- **3 Year Base Period**
 - Goes to Council for Approval
 - 30% Designs (2 Sets)
 - Park Master Plan
 - Sewer line Technical Memo
- **2 Option Years - Stream Designs Only**
 - Option Year 1: 60% & 90% Designs
 - Option Year 2: 100% Designs & Bid Participation

Key Partners

- Community residents, community groups, elected representatives, etc.
- National Park Service (NPS-NACE) & Department of Parks and Recreation (DPR)
- DC Water
- DC Department of Transportation (DDOT)
- State Historic Preservation Office (SHPO)
- US Army Corp of Engineers (USACE)

Oxon Run Watershed



Oxon Run Problems & Challenges



Channelization



Bank Erosion



Fish Blockages



Infrastructure

USACE OXON RUN FLOOD STUDY - 2018

Floodplain	District of Columbia	Prince George's County	Total
2-year	0	1	1
5-year	0	3	3
10-year	0	10	10
25-year	8	18	26
50-year	36	34	70
100-year	46	78	124
200-year	58	94	152
500-year	73	120	193



Oxon Cove



- Trash
- Sedimentation
- Lack of Habitat
- Public Access

Oxon Run Opportunities & Potential

- Remove concrete channel
- Stabilize stream banks
- Restore & enhance wetland, stream, riparian habitat
- Reduce and/or remove flood risk
- Improve community access & connectivity
- Protect & enhance Magnolia Bogs



Stream Designs & NEPA Compliance

- Survey Work & Pre-Restoration Monitoring
- 15% Designs
- Pre-NEPA Compliance
- 30% Designs
- NEPA Compliance
- Floodplain Modelling & FEMA Compliance



Master Park Plan

- New amendment to solicitation- Attachment J.21
- 20-year timeframe
- Same boundary as stream work
- Draft plan as part of 6.1.33 (104 weeks)
- Final plan as part of 6.1.57 (130 weeks)



Master Park Plan (cont)

A. Narrative of park history

B. Existing conditions analysis

C. Review of ongoing planning work

D. Engagement Summary

E. Recommendations:

- Interim & long-term future use
- Opportunities for local job creation
- New programs & partnerships
- Grants and other funding mechanisms

Master Park Plan (cont)

- F. Conceptual renderings (4)
- G. Detailed site plan of current/future uses
- H. Construction and O&M cost estimates
- I. Implementation timeline



Sewer Line Technical Memo

- Prelim Design Dwgs
- MH survey (rim & invert)
- Rehab Plan Shts
- Relocation P&P Shts
- Access paths
- Limits of disturbance
- Limit of asset protection (based on existing conditions)
- Class 3 OPCC
- Hydraulic analysis
 - DCW will provide flow rates at key points
- List of permits
- List of Specs

Project Design Manual: Vol 3 (esp. Ch 3, 5, and 10)
CAD Manual: AutoCAD Civil 3D (esp. Ch 2, 4-10, 12)

Community Engagement & Outreach



Section J - Attachments

- J.13 - National Fish & Wildlife Foundation QAPP Template
- J.15-17 - NPS Environmental Assessment Guidance Documents
- J.18-19 - DC Water Documents
- J. 20 - Oxon Run Flood Study
- J. 21 - DPR Park Master Plan Outline

Section L

- L.20 - Key Personnel
 - Project Manager
 - Primary Designer
 - NEPA Specialist
 - Stream Restoration Specialist/Geomorphologist
 - Master Park Planner
 - Sewer Project Design Engineer
 - Transportation Planner
 - Equity Specialist
 - Community Outreach Specialist
 - Hydraulic & Hydrologic Engineer
 - Consulting Arborist
- L.2.8 - Technical Proposal - 70 Sheets

Evaluation Factors

1. Expertise & Experience (35pts)
2. Project Team (15pts)
3. Methodology (15pts)
4. Past Performance (10pts)
5. Project Management Plan (5pts)



Questions

